

17169 U.S. PTO
07/15/03

In the United States Patent and Trademark Office

Mailed 7/14/2003

7/15/03
JLM

Box Patent Application
Commissioner for Patents
Washington, District of Columbia 20231

19587 U.S. PRO
10/620212
07/15/03

Sir or Madam:

Please file the following enclosed patent application papers:

Applicant #1, Name: Thomas L. Merrill

Applicant #2, Name: Derk Krieger

Applicant #3, Name: Brack Hattler

Title: An active mixing exchange catheter and method

- Specification, Claims, and Abstract: Nr. of Sheets 51
 Declaration: Date Signed: 7/15/03
 Drawing(s): Nr. of Sheets Enc.: Formal: 15 Informal: _____
 Applicant Qualifies for and Claims Small Entity Status
 Assignment enclosed with cover sheet and recordal fee; please record and return.
 Payment by check credit card (form PTO-2038 attached) in the amount of \$ 375 for:

X for filing fee (not more than three independent claims and twenty total claims are presented).
_____ additional if Assignment is enclosed for recordal.

Information Disclosure Statement, Form PTO-1 449, and listed references.

Disclosure Document Program reference letter.

Pursuant to 35 U.S.C. §119(e)(i), applicant(s) claim priority of Provisional Patent Application Ser. Nr. 60/395,842, filed 7/15/02

Return Receipt Postcard Addressed to Applicant #1.

Request Under MPEP § 707.07(j): The undersigned, a pro se applicant, respectfully requests that if the Examiner finds patentable subject matter disclosed in this application, but feels that Applicant's present claims are not entirely suitable, the Examiner draft one or more allowable claims for applicant.

Request for Non-Publication: The undersigned requests that this application not be published 18 months after filing under 35 USC 122(6)(1). The undersigned certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country or under a multilateral international agreement that requires publication of applications 18 months after filing. The undersigned understands that if this application is filed in a foreign country or under such a multilateral international agreement, the PTO must be notified of such filing or the application will be regarded as abandoned.

Very respectfully,

Applicant #1 Signature

Address (Send Correspondence Here)
25 Lynnfield Dr.
E. Windsor, NJ
08520

Applicant #2 Signature

Address
22275 Celarton Rd.
Shaker Heights, OH 44122

Applicant #3 Signature

Address
5226 Westminster Pl.
Pittsburgh PA 15232

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In the United States Patent and Trademark Office

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Box Patent Application
Commissioner for Patents
Washington, District of Columbia 20231

Fee Transmittal

First-Named Applicant

Title of Invention:

Total Payment Enclosed (From Calculation Below): \$

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Sir or Madam:

Enclosed is the following small entity* filing fee for the above patent application:

<u>Fee Code</u>	<u>Fee Description</u>	<u>Fee (\$)</u>
214	Provisional Pat. Appn. Filing Fee	<u>—</u>
201	Basic Utility Appn. Filing Fee	<u>\$ 375.00</u>
206	Basic Design Appn. Filing Fee	<u>—</u>
	Subtotal (1)	<u>—</u>
Fee (SI)		<u>—</u>
203	Total Claims: <u>13</u> —20 = <u> </u> X <u> </u> (fee for each claim over 20)	<u>—</u>
202	Tot. Indep. Claims <u>2</u> -3 = <u> </u> X <u> </u> (fee for each indep. claim over 3)	<u>—</u>
	Subtotal (2)	<u>—</u>

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\$ 375

Very respectfully,



Signature of First-Named Applicant

Thomas L. Marr, III

Print Name of First Named Applicant

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Address



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UNITED STATES PATENT AND TRADEMARK OFFICE
Effective January 1, 2003

Any fee amount paid on or after January 1, 2003, must be paid in the revised amount. The fees subject to reduction for small entities that have established status (37 CFR 1.27) are shown in a separate column. For additional information, please contact the General Information Services Division at (703) 308-4357 or (800) 786-9199.

Payments from foreign countries must be payable and immediately negotiable in the United States for the full amount of the fee required.

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Trademark

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National Stage
International StageProcessing Fees
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Post- Allowance Fees

Maintenance Fees

PCT Fees to WIPO
or EPO

Miscellaneous Fees

Application Extension

Fees

Appeals/Interference

General

Fees

Petition Fees

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Service Fees

Fees

Enrollment Fees

Computer Service
Fees

USPTO Fee Schedule, effective January 1, 2003

Fee Code	37 CFR	Description	Fee	Small Entity Fee (if applicable)
Patent Application Filing Fees				
1001/2001	1.16(a)	Basic filing fee - Utility	750.00	375.00
1006/2006	1.16(a)	Basic filing fee - Utility (CPA)	750.00	375.00
1201/2201	1.16(b)	Independent claims in excess of three	84.00	42.00
1202/2202	1.16(c)	Claims in excess of twenty	18.00	9.00
1203/2203	1.16(d)	Multiple dependent claim	280.00	140.00
1051/2051	1.16(e)	Surcharge - Late filing fee or oath or declaration	130.00	65.00